

## IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (Previously Presented) An image processing apparatus comprising:
  - an image pickup unit, adapted to produce image data by photographing an image;
  - a first storage unit, adapted to store image data obtained by said image pickup unit;
  - a compression unit, adapted to compress the image data in units of n lines;
  - a size reduction unit, adapted to reduce the size of the image data stored in said first storage unit;
  - an image supply unit, adapted to supply the image data stored in said first storage unit to said compression unit and said size reduction unit in parallel without reducing the size of the image data; and
  - a second storage unit, adapted to store the size-reduced image data obtained by said size reduction unit,wherein, so as to input and compress the image data not reduced and to temporarily input and compress the size-reduced image data of the n lines when the storage of the size-reduced image data of the n lines into said second storage unit ends, said compression unit switches the two inputs.

2. (Previously Presented) An apparatus according to Claim 1, wherein said size reduction unit includes a unit adapted to convert the format of the image data.

3. (Canceled)

4. (Previously Presented) An apparatus according to Claim 1, wherein said compression unit performs JPEG coding.

5. (Previously Presented) An image processing apparatus comprising:

- a first storage unit, adapted to store input image data;
- a compression unit, adapted to compress the image data in units of n lines;
- a size reduction unit, adapted to reduce the size of the image data stored in said first storage unit;
- an image supply unit, adapted to supply the image data stored in said first storage unit to said compression unit and said size reduction unit in parallel without reducing the size of the image data; and
- a second storage unit, adapted to store the size-reduced image data obtained by said size reduction unit,

wherein, so as to input and compress the image data not reduced and to temporarily input and compress the size-reduced image data of the n lines when the

storage of the size-reduced image data of the n lines into said second storage unit ends, said compression unit switches the two inputs.

6. (Previously Presented) An image processing apparatus according to Claim 1, wherein said image processing apparatus includes a digital camera.

7. (Currently Amended) An image processing method comprising:

- an image pickup step, of producing image data by photographing an image;
- a first storage step, of storing image data obtained in said image pickup step into a first memory;
- a compression step, of compressing the image data in units of n lines;
- a size reduction step, of reducing the size of the image data stored in said first storage step;
- an image supply step, of supplying the image data stored in said first storage step to said compression step and said size reduction step in parallel without reducing the size of the image data; and
- a second storage step, of storing the size-reduced image data obtained in said size reduction step into a second memory, ~~the first and second memories sharing a single dynamic random access memory,~~

wherein, so as to input and compress the image data not reduced and to temporarily input and compress the size-reduced image data of the n lines when the storage of the size-reduced image data of the n lines in said second storage step ends, said compression step includes switching the two inputs.

8. (Previously Presented) A method according to Claim 7, wherein said size reduction step includes converting the format of the image data.

9. (Previously Presented) A method Claim 7, wherein said compression step includes performing JPEG coding.

10. (Currently Amended) An image processing method comprising:

- a first storage step, of storing input image data into a first memory;
- a compression step, of compressing the image data in units of n lines;
- a size reduction step, of reducing the size of the image data stored in said first storage step;
- an image supply step, of supplying the image data stored in said first storage step to said compression step and said size reduction step in parallel without reducing the size of the image data; and

a second storage step, of storing the size-reduced image data obtained in said size reduction step into a second memory, ~~the first and second memories sharing a single dynamic random access memory,~~

wherein, so as to input and compress the image data not reduced and to temporarily input and compress the size-reduced image data of the n lines when the storage of the size-reduced image data of the n lines in said second storage step ends, said compression step includes switching the two inputs.

11. (Previously Presented) An image processing apparatus according to Claim 5, wherein said image processing apparatus includes a digital camera.

12. (Previously Presented) An image processing method according to Claim 7, wherein said steps are executed by a digital camera

13. (Previously Presented) An image processing method according to Claim 10, wherein said steps are executed by a digital camera.